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Yong-Ho Yang

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EXAMINER

TON, MINH TOAN T

ART UNIT

PAPER NUMBER

2871

DATE MAILED: 02/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Election/Restriction

1. An election without traverse of species Ia1 corresponding claims 4-5 has been acknowledged. Claims 1-5, 8-9 and 16-21 are being examined. Claims 6-7, 10-15 and 22-37 have been withdrawn from consideration.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-5, 8-9 and 16-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Ozawa et al (US 6956632).

Ozawa discloses a transfective LCD device comprising (see at least Figures 1-6): a transparent substrate including a reflective window 31 that reflects an ambient light and a transmissive window 32 that transmits an artificial light; an organic insulation layer disposed over the transparent substrate, the organic insulation layer being thinner gradually at a boundary between the transmissive window and the reflective window; a pixel electrode formed in the transmissive window; a reflective layer disposed over the organic insulation layer of the reflective window; a light-blocking pattern 9 disposed at the boundary between the transmissive window and the reflective window to prevent a light leakage; and a switching part (see at least

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col. 10, line 66 to col. 11, line 1) that is electrically connected to a gate line, a source line and the pixel electrode to apply an image signal to the pixel electrode.

Ozawa discloses the device comprising alignment film 12 formed by performing an aligning treatment such as a rubbing treatment (see at least Figures 1b-1c).

Ozawa discloses the second boundary inclined steeper than the first boundary (see at least Figures 1b-1c).

Ozawa discloses the light-blocking pattern disposed at the first and second boundaries (see at least Figures 1b-1c).

Ozawa discloses the light-blocking pattern having a width (about 9 μm) longer than a width of the light transmissive window (about 8 μm).

Ozawa discloses the organic insulation layer of the reflective window having a first thickness and the organic insulation layer of the transmissive window has a second thickness that is thinner than the first thickness (see at least Figures 1-6).

Ozawa discloses the gate line and the source line formed on a first surface of the transparent substrate and the light -blocking pattern formed on a second surface of the transparent substrate such that the light blocking pattern is substantially parallel with the source line (see at least Figures 1-6).

Ozawa discloses the use a storage capacitor electrode/line disposed on the transparent substrate such that the first storage electrode extended substantially parallel with the gate line (see at least Figure 16).

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Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toan Ton whose telephone number is (571) 272-2303.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

January 26, 2006


**TOAN TON
PRIMARY EXAMINER**